

REMARKS

This Application has been carefully reviewed in light of the Office Action mailed July 20, 2009. At the time of the Office Action, Claims 11-16 and 18-20 were pending in this Application. Claims 11-14, 16 and 18-20 were rejected. Claims 1-10 and 17 were previously cancelled without prejudice or disclaimer. Claims 11-13, 19, and 20 are herein amended. Claims 14 and 15 are herein cancelled without prejudice or disclaimer. New Claims 21-23 are added. Applicants respectfully request reconsideration and favorable action in this case.

Claim Objections

Claims 19 and 20 were objected due to the recitation of certain phrases. Applicants have amended Claims 19 and 20 accordingly, and thus request withdrawal of these objections.

Rejections under 35 U.S.C. § 112

Claims 12-14 were rejected by the Examiner under 35 U.S.C. §112, first paragraph, as being indefinite. Applicants believe that amendments to Claims 12 and 13 render these rejections moot. Also, Applicants have cancelled Claim 14. Accordingly, Applicants request respectfully request that these rejections be withdrawn.

Allowable Subject Matter

Applicants appreciate the Examiner's consideration and indication that Claim 15 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Accordingly, Applicants have amended independent Claims 1, 19, and 20 to include the features of Claims 14 and 15 that Applicants believe to contain the allowable subject matter identified by the Examiner. Therefore, Applicants respectfully request allowance of independent Claims 1, 19, and 20, as well as all claims that depend from Claim 1.

Rejections under 35 U.S.C. §103

Claims 11-13, 16 and 18-20 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 7,035,657 issued to An Mei Chen et al. (“*Chen*”) in view of U.S. Patent Application Publication No. 2002/0111180 filed by Billy Hogan et al. (“*Hogan*”).

Applicants submit that amended Claims 11-13, 16 and 18-20 are allowable for at least the reasons discussed above in the Allowable Subject Matter. Accordingly, Applicants respectfully request that the Examiner withdraw the obviousness rejections of Claims 11-13, 16 and 18-20.

New Claims 21-23 are Allowable

21. A method for transmitting a plurality of group messages to a plurality of radio communication devices over a plurality of different transport channels mapped onto the same composite transport channel . . . each radio communication device belonging to one or more defined groups suitable to receive group messages corresponding to that defined group, the method comprising:

storing at each radio communication device a set of device-specific configurations defining links between one or more indicators and one or more corresponding group-related values as a function of the number and identity of the defined groups to which that device belongs, wherein for certain radio communication devices, the group-related values linked to the same indicator are different;

assigning each group message to a respectively dedicated shared transport channel corresponding to one of the defined groups;

transmitting toward the plurality of radio communication devices data of a particular group message intended for a particular defined group during at least one time interval;

transmitting to the plurality of radio communication devices a first indicator, corresponding to the particular defined group during the time interval, such that each of the plurality of radio communication devices can access from its stored device-specific configurations the group-related values, if any, linked to the first indicator in order to determine whether that radio communication device is suitable to receive the particular group message.

These features are discussed, for example, at paragraphs 0024-0026 of Applicants' specification (emphasis added):

[0024] In a UTMS system, the present invention is advantageously implemented via a method for configuring the assignment of TFCI values to CTFC values in a manner specific to the mobile radio device, manner taking into account common TFCI values for a recipient group.

[0025] With configuration of TFCI values and associated CTFC values that is specific to the mobile radio device, it is taken into account according to the present invention that a specific TFCI value has the same significance for all mobile radio devices for the period of transmission of the data (TTI) for this multicast group, whereby it is possible for the CTFC values of the individual mobile radio devices assigned to this TFCI value to be different. "The same significance" here refers to, for example, all mobile radio devices listening to the same physical channel at the time of transmission of the data for the multicast group and the transport channel used using the same TF.

[0026] The configuration of TFCI values and associated CTFC values is specific to the UE. In other words, every mobile radio device that is registered with an MC group receives its own configuration of TFCI values and associated CTFC values as a function of the number and identity of the multicast groups it is registered with and such configuration can be different from the configurations of other mobile radio devices belonging to the same MC group.

Applicants' specification explains that one advantage of this invention is that "a mobile radio device that belongs to one or a number of multicast groups only has to know the TFSs of the TrCHs for its multicast groups but not those of the other multicast groups, which are transmitted via further TrCHs, which are mapped onto the same CCTrCH." (Paragraph 0026).

Chen and *Hogan* fail to teach anything similar to these features of Claim 21. Neither *Chen* nor *Hogan* teaches anything similar to storing device-specific configurations at each mobile device that define links between indicators and corresponding group-related values as a function of the number and identity of the defined groups to which that mobile device belongs, much less wherein certain mobile devices may have different group-related values linked to the same indicator. *Chen* and *Hogan* also fail to teach transmitting to a plurality of mobile devices a particular indicator corresponding to particular group message intended for a particular group of the mobile devices, such that each of the plurality of mobile devices can

access their own device-specific group-related values (if any) that are linked to the particular indicator in order to determine whether that mobile device can receive the particular group message. *Chen* and *Hogan* simply do not teach any of these limitations.

Therefore, for at least the reasons presented above, Applicants respectfully request allowance of new Claim 21, as well as Claims 22-23 that depend from Claim 21.

CONCLUSION

Applicants have made an earnest effort to place this case in condition for allowance in light of the remarks set forth above. Applicants respectfully request reconsideration of the pending claims.

The Commissioner is authorized to charge the fee of \$220.00 for one new independent to Deposit Account 50-4871 of King & Spalding LLP. in order to effectuate this filing.

Applicants believe no other fees are due; however, should the Commissioner deem that any additional fees are due, including any fees for any additional extensions of time, the Commissioner is hereby authorized to debit said fees from Deposit Account No. 50-4871.

If there are any matters concerning this Application that may be cleared up in a telephone conversation, please contact Applicants' attorney at 512.457.2030.

Respectfully submitted,
KING & SPALDING LLP
Attorneys for Applicants

Eric M. Grabski

Eric M. Grabski
Registration No. 51,749

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SEND CORRESPONDENCE TO:
KING & SPALDING LLP
CUSTOMER ACCOUNT NO. **86528**
512.457.2030
512.457.2100 (fax)